

HIGH PRESSURE SENSOR WITH KNUURL PRESS-FIT ASSEMBLY

ABSTRACT

5

A method of assembling a high pressure sensor with knurl press-fit includes a first step of providing a pressure port having a material with a first hardness and a housing having a material with a second hardness less than the first hardness. The pressure port has a mounting boss and the housing has a receptacle for receiving the 10 mounting boss. A next step includes configuring the mounting boss of the pressure port with knurls thereon. A next step includes pressing the mounting boss of the pressure port into the receptacle of the housing along a direction of the axis such that the knurls deform the receptacle of the housing to conform about the knurls to define a semi-rigid mount.